

Arsenic Removal Systems

The Arsenic Removal (AS) Series is designed primarily for municipal potable water applications, which need to remove arsenic as the primary contaminant.



The total packaged filtration solution designed to meet the requirements of the Federal Safe Drinking Water Act (SDWA), Kinetico's Arsenic Filtration Systems represent a substantial evolution of traditional pressure filtration methods. Utilizing a standardized design, Kinetico has combined downflow filtration and upflow backwash with multiple vessels containing the patented Macrolite[®] engineered ceramic filtration media. It is an innovative system that offers a (b) (4) foot filtration rate, well beyond that of adsorptive or greensand systems.

Using a (b) (4) process, Macrolite typically removes arsenic (b) (4) (b) (4) regardless of influent arsenic concentration. Chemically inert and compatible with all types of acids, caustics, oxidants, and ferric salts, our experience indicates that Macrolite has an indefinite service life, and under normal operating conditions, will never need replacement.

The AS Series has been proven under several independent studies for superior arsenic removal performance. Kinetico is currently undergoing NSF/ETV and AWWARF studies for arsenic removal.

The AS Series has been engineered to take advantage of Macrolite media's unique characteristics in a durable, high quality package. These standardized systems are adaptable to a wide range of process and facility designs and are easily customized to meet many difficult treatment objectives in the most cost-effective manner possible.



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Standard Features

- Proven Kinetico community water process and design
- Macrolite ceramic media with stainless steel distributors
- High quality spun fiberglass filter tanks or epoxy lined steel filter tanks with view ports
- GF pneumatic valving
- Air sparge
- (b) (4)
- PLC based automation with integrated PC SCADA package

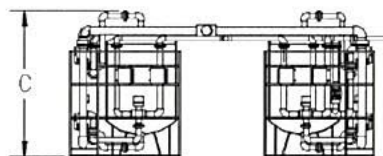
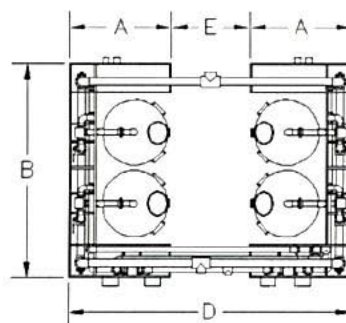
Advantages

- **Effective** - High removals of arsenic have been demonstrated by independent arsenic challenge studies.
- **Efficient** - Excellent backwashing qualities provide an efficient production-to-waste ratio, normally around (b) (4)
- **Compact** - A design flow of (b) (4) per square foot allows a smaller system footprint.
- **Modular** - The modular skid mounted design allows easy system expansion.
- **Durable** - The combination of high quality components, and thoughtful design provide durable hardware with the longest possible useful life.
- **Turnkey** - These systems arrive at the project site fully assembled and pressure tested.
- **Proven** - Used for numerous applications across North America, this type of system has compiled an excellent track record of performance and dependability.

Options

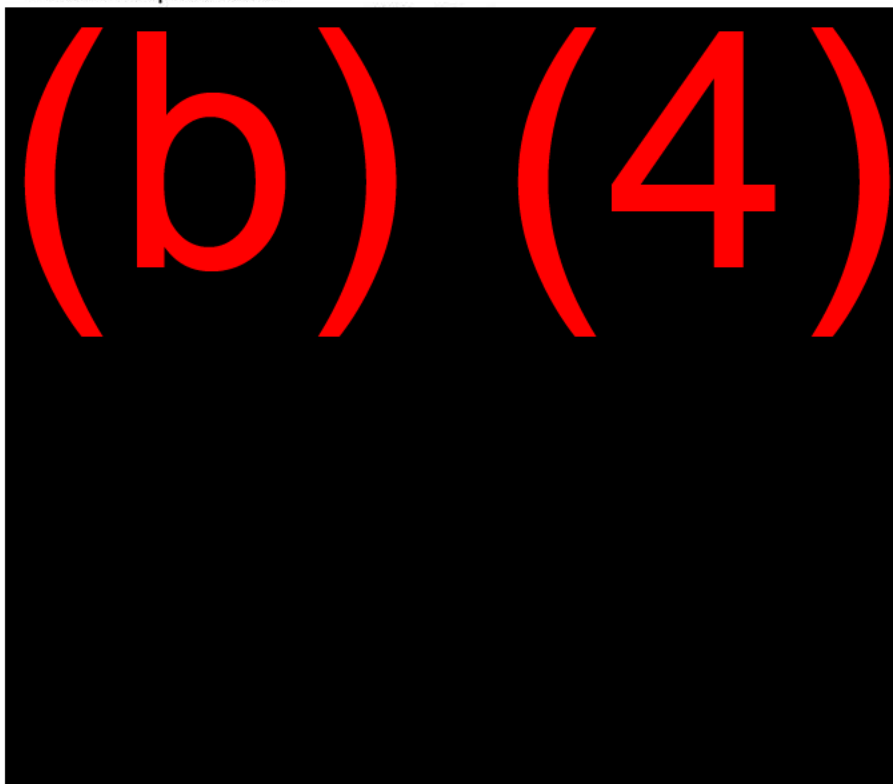
- Wide variety of instrumentation
- Chemical feed packages
- Pumps for raw water and backwash

Engineered for efficiency, simplicity & reliability



Designed to meet your challenge

Kinetico Community Water Systems offers ten standard system flow capacities. Each design is engineered to handle diverse applications, providing a comprehensive and reliable approach to simplifying your filtration requirements.



KINETICO®
Water solutions for a changing world

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